

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

**AIR QUALITY PERMIT
Issued under 401 KAR 52:040**

Permittee Name: Sunspring America, Inc.
Mailing Address: P.O. Box 318, Henderson KY 42420

Source Name: Sunspring America, Inc.
Mailing Address: 1105 5th Street
Henderson KY 42420

Source Location: 1105 5th Street

Permit: S-07-081
Agency Interest: 1802
Activity: APE20040002
Review Type: Minor Source, Operating
Source ID: 21-101-00006

Regional Office: Owensboro Regional Office
3032 Alvey Park Dr. W., Suite 700
Owensboro, KY 42303
(270) 687-7304

County: Henderson

Application
Complete Date: June 15, 2004
Issuance Date: July 16, 2007
Revision Date:
Expiration Date: July 16, 2017



**John S. Lyons, Director
Division for Air Quality**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emission Unit	Description	Date Installed	Applicable Regulation
01 (DC-001)	Virgin Remelt Pot No. 1 C.M. Kemp Co. Model IE-147 2,030,000 Btu/Hour Natural Gas Burner	1983	401 KAR 59:010
02 (DC-002)	Remelt Pot No. 2 Kemp Manufacturing Co. Model 06-4586 2,034,000 Btu/Hour Natural Gas Burner	1971	401 KAR 61:020
03 (DC-003)	Die Cast Machine No. 1 Frech 315 174,000 Btu/Hour Natural Gas Burner	1997	401 KAR 59:010
04 (DC-005)	Die Cast Machine No. 3 Frech 315 174,000 Btu/Hour Natural Gas Burner	1998	401 KAR 59:010
05 (DC-007)	Die Cast Machine No. 5 B&T 600 174,000 Btu/Hour Natural Gas Burner	1986	401 KAR 59:010
06 (DC-008)	Die Cast Machine No. 6 Frech 200 174,000 Btu/Hour Natural Gas Burner	1998	401 KAR 59:010
07 (DC-009)	Die Cast Machine No. 7 B&T 600 174,000 Btu/Hour Natural Gas Burner	1967	401 KAR 61:020
08 (DC-010)	Die Cast Machine No. 8 B&T 600 174,000 Btu/Hour Natural Gas Burner	1983	401 KAR 59:010
09 (DC-011)	Die Cast Machine No. 9 Frech 500 174,000 Btu/Hour Natural Gas Burner	1999	401 KAR 59:010
10 (DC-012)	Die Cast Machine No. 10 B&T 600 174,000 Btu/Hour Natural Gas Burner	1991	401 KAR 59:010

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit	Description	Date Installed	Applicable Regulation
11 (DC-013)	Die Cast Machine No. 11 B&T 600 174,000 Btu/Hour Natural Gas Burner	1986	401 KAR 59:010
12 (DC-014)	Die Cast Machine No. 12 B&T 600 174,000 Btu/Hour Natural Gas Burner	1986	401 KAR 59:010
13 (DC-015A)	Launder System Twenty-three (23) 174,000 Btu/Hour Natural Gas Burners	1965 - 1987	N/A
14 (DC-016)	Oil/Water Evaporator Samsco Series 500 Evaporator	1996	N/A
15 (DC-017)	Quality Checks Hanson Buffing Jack	On or After July 2, 1975	401 KAR 59:010

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations. Applicable with respect to particulate emissions to each affected facility commenced on or after July 2, 1975.

401 KAR 61:020 – Existing process operations. Applicable with respect to particulate emissions to each affected facility commenced before July 2, 1975.

1. Operating Limitations: None.

2. Emission Limitations:

- A. 401 KAR 59:010 § 3(1) Opacity Standard: The opacity of continuous emissions from a control device or stack shall be less than twenty (20) percent opacity.
- B. 401 KAR 59:010 § 3(2) Mass Standard: Particulate matter emissions from a control device or stack shall not exceed 2.34 pounds per hour.
- C. 401 KAR 61:020 § 3(1) Opacity Standard: The opacity of continuous emissions from a control device or stack shall be less than forty (40) percent opacity.
- D. 401 KAR 61:020 § 3(2) Mass Standard: Particulate matter emissions from a control device or stack shall not exceed 2.58 pounds per hour.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (continued):****Compliance Demonstration Method for Emission Limitations A and C:**

Compliance with the opacity standards shall be determined by the permittee performing a qualitative visual observation of the opacity of emissions at each stack no less than weekly and maintaining a log of the observations. If visible emissions from the stacks are seen (not including condensed water in the plume), then an inspection of process equipment shall be initiated and corrective action taken. If visible emissions are present after the corrective action, the process shall be shut down and shall not operate again until repairs have been made that result in no visible emissions from the process during operation. In lieu of shutting the process down, the permittee may determine the opacity using Reference Method 9. If the opacity limit is not exceeded, the process may continue to operate.

Compliance Demonstration Method for Emission Limitations B and D:

Compliance with the mass standards will be assumed unless testing is required, when the units are in compliance with the opacity standards.

3. Testing Requirements:

- A. If the Division requires it, permittee shall perform a Reference Method 5 test, or other methods approved by the Division, to determine the emission rate of particulate matter.
[401 KAR 59:010, § 4(1) & 401 KAR 61:020, § 4(1) Test Methods and Procedures]
- B. If the Division requires it, the permittee shall perform a Reference Method 9 test to determine the opacity of continuous emissions.
[401 KAR 59:010, § 4 (5) & 401 KAR 61:020, § 4(1) Test Methods and Procedures]

4. Monitoring Requirements:

- A. The permittee shall monitor the monthly zinc alloy use in pounds.
- B. The permittee shall monitor the monthly flux use in pounds.
- C. The permittee shall monitor the monthly natural gas use in million cubic feet.
- D. The permittee shall monitor the opacity of emissions from each stack weekly as described above.

5. Recordkeeping Requirements:

- A. The permittee shall maintain a log of the monthly and annual zinc alloy used in pounds.
- B. The permittee shall maintain a log of the monthly and annual flux use in pounds.
- C. The permittee shall maintain a log of the monthly and annual natural gas use in million cubic feet.
- D. The permittee shall maintain a weekly log of visual observations of the opacity of emissions.
- E. The permittee shall maintain records of any corrective actions taken as a result of the presence of visible emissions being detected during an observation.
- F. The permittee shall maintain records of the results of any Method 9 readings performed.

- 6. **Reporting Requirements:** It is specified here that the reporting requirements of Section C (3) (c) of this permit need only include records of the monthly usage rates of raw materials specified in 4. **Monitoring Requirements** during the reporting period.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 16 (WT-007) Sludge Dryer

Description: Met-Chem 25 cubic feet Dryer S/N 1446

Heated by electric and steam.

Control Equipment: Spray Scrubber

Date Installed: 1999

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations. Applicable with respect to particulate emissions to each affected facility commenced on or after July 2, 1975.

1. Operating Limitations:

- A. The scrubber shall be in place and operating efficiently when the sludge dryer is in operation.
- B. The permittee shall calibrate, maintain and operate instruments and devices used to monitor the scrubber pressure differential and liquid flow rate using procedures that take into account manufacturer's recommendations. Calibrations shall be conducted no less than quarterly.

Compliance Demonstration Method for Operating Limitations A and B: Refer to Monitoring and Recordkeeping Requirements.

2. Emission Limitations:

- A. 401 KAR 59:010 § 3(1) Opacity Standard: The opacity of continuous emissions from a control device or stack shall be less than twenty (20) percent opacity.
- B. 401 KAR 59:010 § 3(2) Mass Standard: Particulate matter emissions from a control device or stack shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method for Emission Limitation A:

Compliance with the opacity standard shall be determined by the permittee performing a qualitative visual observation of the opacity of emissions at the stack no less than weekly and maintaining a log of the observations. If visible emissions from the stack are seen (not including condensed water in the plume), then an inspection of control equipment shall be initiated and corrective action taken. If visible emissions are present after the corrective action, the process shall be shut down and shall not operate again until repairs have been made that result in no visible emissions from the process during operation. In lieu of shutting the process down, the permittee may determine the opacity using Reference Method 9. If the opacity limit is not exceeded, the process may continue to operate.

Compliance Demonstration Method for Emission Limitation B:

Compliance with the mass standard will be assumed unless testing is required, when the unit is in compliance with the opacity standard.

3. Testing Requirements:

- A. If the Division requires it, permittee shall perform a Reference Method 5 test, or other methods approved by the Division, to determine the emission rate of particulate matter.
[401 KAR 59:010, § 4(1) Test Methods and Procedures]
- B. If the Division requires it, the permittee shall perform a Reference Method 9 test to determine the opacity of continuous emissions.
[401 KAR 59:010, § 4 (5) Test Methods and Procedures]

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**4. Monitoring Requirements:**

- A. The permittee shall monitor the pounds of dried metal hydroxide sludge produced by the unit monthly. Receipts documenting the weight of sludge disposed of from the offsite disposal contractor may be used to fulfill this requirement.
- B. The permittee shall monitor the opacity of emissions from the stack daily as described above.
- C. The permittee shall monitor the pressure differential in inches water column measured across the inlet and outlet ducts of the scrubber using a pressure differential measuring instrument daily.
- D. The permittee shall monitor the scrubber liquid flow rate in gallons per minute or cubic feet per minute measured at the scrubber liquid inlet using a liquid flow meter or other device for liquid flow daily.

5. Recordkeeping Requirements:

- A. The permittee shall maintain monthly and annual records of the pounds of dried metal hydroxide sludge produced by the unit.
- B. The permittee shall maintain a daily log of visual observations of the opacity of emissions. On days the sludge dryer does not operate, "did not operate" shall be entered in the log.
- C. The permittee shall maintain records of any corrective actions taken as a result of the presence of visible emissions being detected during an observation.
- D. The permittee shall maintain records of the results of any Method 9 readings performed.
- E. The permittee shall maintain a log of daily scrubber pressure differential readings. On days the sludge dryer does not operate, "did not operate" shall be entered in the log.
- F. The permittee shall maintain a log of daily scrubber liquid flow rate readings. On days the sludge dryer does not operate, "did not operate" shall be entered in the log.
- G. The permittee shall maintain records of manufacturer recommended operating parameters for the sludge dryer and scrubber.
- H. The permittee shall maintain records of calibrations of scrubber pressure differential and liquid flow rate measuring instruments and devices.

- 6. Reporting Requirements:** It is specified here that the reporting requirements of Section C (3) (c) of this permit need only include records of the pounds of dried metal hydroxide sludge produced monthly during the reporting period.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit	Description	Date Installed	Applicable Regulation
17 (PL-050)	Cleaver Brooks CB200-300 Boiler #1 Serial No. L-76056 Rated Capacity: 12.533 MMBTU/Hour Natural Gas fired with No. 2 Fuel Oil capability for emergency use	1983	401 KAR 59:015
18 (PL-050)	Cleaver Brooks CB200-300 Boiler #2 Serial No. L-76055 Rated Capacity: 12.533 MMBTU/Hour Natural Gas fired with No. 2 Fuel Oil capability for emergency use	1983	401 KAR 59:015
19 (MAI-001)	Sellers Engineering Co. Model 150 HP-15SR Serial No. 100992 Rated Capacity: 6.278 MMBTU/Hour Natural Gas fired	1999	401 KAR 59:015

APPLICABLE REGULATIONS:

401 KAR 59:015 – New indirect heat exchangers. Applicable to indirect heat exchangers with a capacity of 250 million BTU per hour heat input or less commenced on or after April 9, 1972.

1. Operating Limitations: None

2. Emission Limitations:

- A. 401 KAR 59:015 § 4(1) (c) Particulate Matter Standard: The emission rate of particulate matter from each affected facility shall not be in excess of 0.43 pounds per million BTU actual heat input.
- B. 401 KAR 59:015 § 4(2) Opacity Standard: The opacity of continuous emissions from a control device or stack shall be less than twenty (20) percent opacity.
- C. 401 KAR 59:015 § 5(1)(c) Sulfur Dioxide Standard: The emission rate of sulfur dioxide shall not be in excess of 1.88 pounds per million BTU actual heat input.

Compliance Demonstration Method:

Compliance with the above standards is assumed when the units are burning natural gas. If any one unit combusts No. 2 fuel oil for more than sixty (60) days per reporting period, that boiler shall be tested while burning No. 2 fuel oil within 60 days of the end of the reporting period according to the applicable test methods and procedures specified in 401 KAR 59:015, § 8.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

- A. If the Division requires it, permittee shall perform a Reference Method 5 test, or other methods approved by the Division, to determine the emission rate of particulate matter.
[401 KAR 59:015, § 8(1) Test Methods and Procedures]
- B. If the Division requires it, the permittee shall perform a Reference Method 9 test to determine the opacity of continuous emissions.
[401 KAR 59:015, § 8 (1) Test Methods and Procedures]
- C. If the Division requires it, the permittee shall perform a Reference Method 6 test to determine the emission rate of sulfur dioxide.
[401 KAR 59:015, § 8 (1) Test Methods and Procedures]

4. Monitoring Requirements:

- A. The permittee shall monitor the monthly natural gas use in million cubic feet.
- B. The permittee shall monitor the monthly No. 2 fuel oil use in gallons.
- C. The permittee shall monitor the number of days per reporting period that any one boiler combusted No. 2 fuel oil.

5. Recordkeeping Requirements:

- A. The permittee shall maintain a log of the monthly and annual natural gas use.
- B. The permittee shall maintain a log of the monthly and annual No. 2 fuel oil use.
- C. The permittee shall maintain a log of the number of days any one boiler combusted No. 2 fuel oil.
- D. The permittee shall maintain records of the heating value and sulfur content of No. 2 fuel oil combusted. The permittee may use the certification from the fuel supplier to satisfy this requirement.

6. Reporting Requirements:

It is specified here that the reporting requirements of Section C (3) (c) of this permit need only include records of the monthly usage rates of raw materials specified in **4. Monitoring Requirements** for the reporting period and the number of days any one boiler combusted No. 2 fuel oil during the reporting period.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Stack ID	Emission Unit	Description	Date Installed	Applicable Regulation(s)
PL5	20 (PL-047)	Rack Strip Jessup Hoist Line	1995	401 KAR 59:010
PL5 Control Equipment: Rack Strip Scrubber				
PL6	21 (PL-024)	Copper Strike Plating Tank Jessup Hoist Line	1995	401 KAR 59:010
	22 (PL-025)	Bright Copper Plating Tank 14A, Jessup Hoist Line	1995	
	23 (PL-026)	Bright Copper Plating Tank 14B, Jessup Hoist Line	1995	
PL6 Control Equipment: Copper Cyanide Scrubber				
PL7	24 (PL-029)	Acid Copper Plating Tank 14A Jessup Hoist Line	1995	401 KAR 59:010
	25 (PL-030)	Acid Copper Plating Tank 14B Jessup Hoist Line	1995	
	26 (PL-031)	Acid Copper Plating Tank 14C Jessup Hoist Line	1995	
	27 (PL-032)	Acid Copper Plating Tank 14D Jessup Hoist Line		
PL7 Control Equipment: Acid Copper and Cleaner Scrubber				
PL8	28 (PL-040)	Semi-Bright Nickel Tank 16A Jessup Hoist Line	1995	401 KAR 59:010
	29(PL-041)	Bright Nickel Tank 16B Jessup Hoist Line	1995	
	30 (PL-042)	Bright Nickel Tank 16C Jessup Hoist Line	1995	
PL8 Control Equipment: Nickel and Cleaner Scrubber				
PL9	31 (PL-045)	Chromium Plating Jessup Hoist Line	1995	401 KAR 59:010 401 KAR 63:002
PL9 Control Equipment: Chrome Fume Scrubber				
PL10	32 (PL-048)	Manual Nitric Rack Stripper	1986	401 KAR 59:010
	33 (PL-049)	Manual PVD Parts Stripper	On or After July 2, 1975	
PL10 Control Equipment: Strip and Replate Scrubber				

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations. Applicable with respect to particulate emissions to each affected facility commenced on or after July 2, 1975.

401 KAR 63:002 – National Emission Standards for Hazardous Air Pollutants: Incorporation by reference. 40 CFR 63.340 to 63.348 (Subpart N), National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**1. Operating Limitations:**

- A. The scrubbers shall be in place and operating efficiently while plating machines are in operation.
- B. The permittee shall calibrate, maintain and operate instruments and devices used to monitor the scrubbers' pressure differential and liquid flow rate using procedures that take into account manufacturer's recommendations. Calibrations shall be conducted no less than quarterly.

Compliance Demonstration Method for Operating Limitations A and B: Refer to Monitoring and Recordkeeping Requirements.

Specific Operating Limitations for Emission Unit 31:

C. §63.342 (f) *Operation and Maintenance Practices:*

- (1)
 - (i) At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain any affected source, including monitoring equipment, in a manner consistent with good air pollution control practices.
 - (ii) Malfunctions shall be corrected as soon as practicable after their occurrence.
 - (iii) Operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.
- (2)
 - (i) Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Division, which may include, but is not limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the source.
 - (ii) Based on the results of a determination made under paragraph (f)(2)(i) of this section, the Division may require that the permittee of an affected source make changes to the operation and maintenance plan required by paragraph (f)(3) of this section for that source. Revisions may be required if the Division finds that the plan:
 - (A) Does not address a malfunction that has occurred;
 - (B) Fails to provide for the proper operation of the affected source, the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or
 - (C) Does not provide adequate procedures for correcting malfunctioning process equipment and monitoring equipment as quickly as practicable.
- (3) *Operation and maintenance plan.*
 - (i) The operation and maintenance plan is incorporated by reference into this permit.
 - (A) The plan shall specify the operation and maintenance criteria for the affected source, the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment.
 - (B) For sources using an add-on control device or monitoring equipment to comply with Subpart N, the plan shall incorporate the operation and maintenance practices for that device or monitoring equipment, as identified in Table 1 of §63.342.
 - (C) If the specific equipment used is not identified in Table 1 of §63.342, the plan shall incorporate proposed operation and maintenance practices. These proposed operation and maintenance practices shall be submitted for approval as part of the submittal required under §63.343 (d);
 - (D) The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur;

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**1. Operating Limitations (continued):****Specific Operating Limitations for Emission Unit 31:****C. §63.342 (f) (3) *Operation and Maintenance Practices:***

- (E) The plan shall include a systematic procedure for identifying malfunctions of process equipment, process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.
- (ii) If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the permittee shall revise the operation and maintenance plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment and monitoring equipment during similar malfunction events, and a program for corrective action for such events.
- (iii) Recordkeeping associated with the operation and maintenance plan is identified in §63.346 (b). Reporting associated with the operation and maintenance plan is identified in §63.347 (g) and (h) and paragraph (f)(3)(iv) of this section.
- (iv) If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by paragraph (f)(3)(i) of this section, the permittee shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Division.
- (v) The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Division for the life of the affected source or until the source is no longer subject to the provisions of Subpart N. In addition, if the operation and maintenance plan is revised, the permittee shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Division for a period of 5 years after each revision to the plan.
- (vi) To satisfy the requirements of paragraph (f)(3) of this section, the permittee may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of this section.

§63.342 (g) The standards in this section that apply to chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent.

Compliance Demonstration Method for Operating Limitation C: Refer to Monitoring and Recordkeeping Requirements.

2. Emission Limitations:

- A. 401 KAR 59:010 § 3(1) Opacity Standard: The opacity of continuous emissions from a control device or stack shall be less than twenty (20) percent opacity.
- B. 401 KAR 59:010 § 3(2) Mass Standard: Particulate matter emissions from a control device or stack shall not exceed 2.34 pounds per hour.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):****Compliance Demonstration Method for Emission Limitation A:**

Compliance with the opacity standards shall be determined by the permittee performing a qualitative visual observation of the opacity of emissions at each stack no less than weekly and maintaining a log of the observations. If visible emissions from the stacks are seen (not including condensed water in the plume), then an inspection of control equipment shall be initiated and corrective action taken. If visible emissions are present after the corrective action, the process shall be shut down and shall not operate again until repairs have been made that result in no visible emissions from the process during operation. In lieu of shutting the process down, the permittee may determine the opacity using Reference Method 9. If the opacity limit is not exceeded, the process may continue to operate.

Compliance Demonstration Method for Emission Limitation B:

Compliance with the mass standards will be assumed unless testing is required, when the units are in compliance with the opacity standards.

Specific Emission Limitations for Emission Unit 31:

- C. §63.342 (d) *Standards for decorative chromium electroplating tanks using a chromic acid bath and chromium anodizing tanks.* During tank operation, the permittee shall control chromium emissions discharged to the atmosphere from each affected source by either:
- (1) Not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.01 mg/dscm (4.4×10^{-6} gr/dscf); or
 - (2) If a chemical fume suppressant containing a wetting agent is used, by not allowing the surface tension of the electroplating or anodizing bath contained within the affected source to exceed 45 dynes/cm (3.1×10^{-3} lb_f/ft) as measured by a stalagmometer or 35 dynes/cm (2.4×10^{-3} lb_f/ft) as measured by a tensiometer at any time during operation of the tank.

Compliance Demonstration Method for Emission Limitation C:

§63.343 (c)(5)(ii) The permittee shall monitor the surface tension of the electroplating or anodizing bath. Operation of the affected source at a surface tension greater than 45 dynes/cm as measured by a stalagmometer or 35 dynes/cm as measured by a tensiometer shall constitute noncompliance with the standards. The surface tension shall be monitored according to the following schedule:

- (A) The surface tension shall be measured once every 40 hours of tank operation with a stalagmometer or a tensiometer as specified in Method 306B, appendix A of part 63.
- (B) Once an exceedance occurs as indicated through surface tension monitoring, the time between monitoring shall be decreased to once every 4 hours. Once an exceedance does not occur for 40 hours of tank operation on the 4-hour schedule, the time between monitoring can be increased to once every 8 hours. Once an exceedance does not occur for 40 hours of tank operation on the 8-hour schedule, the original monitoring schedule of once every 40 hours of tank operation may be resumed.

§63.343 (c)(5)(iii) Once a bath solution is drained from the affected tank and a new solution added, the monitoring schedule of once every 4 hours will be required, with a decrease in monitoring frequency allowed following the procedures of paragraph (B) above.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**3. Testing Requirements:**

- A. If the Division requires it, permittee shall perform a Reference Method 5 test, or other methods approved by the Division, to determine the emission rate of particulate matter. [401 KAR 59:010, § 4(1) Test Methods and Procedures]
- B. If the Division requires it, the permittee shall perform a Reference Method 9 test to determine the opacity of continuous emissions. [401 KAR 59:010, § 4 (5) Test Methods and Procedures]

4. Monitoring Requirements:

- A. The permittee shall monitor monthly and annual ampere-hours consumed by each tank.
- B. The permittee shall monitor the opacity of emissions from each stack daily as described in Compliance Demonstration Method A of Emission Limitation A.
- C. The permittee shall monitor the pressure differential in inches water column measured across the inlet and outlet ducts of the scrubbers using a pressure differential measuring instrument daily.
- D. The permittee shall monitor the scrubber liquid flow rate in gallons per minute or cubic feet per minute measured at the scrubbers' liquid inlet using a liquid flow meter or other device for liquid flow daily.

Specific Monitoring Requirements for Emission Unit 31:

- E. The permittee shall monitor the surface tension of any process tank in which chromium electroplating is taking place as described in Compliance Demonstration Method C of Emission Limitation C.

5. Recordkeeping Requirements:

- A. The permittee shall maintain monthly records of ampere-hours consumed by each tank.
- B. The permittee shall maintain a daily log of visual observations of the opacity of emissions. On days a controlled process associated with a stack does not operate, "did not operate" shall be entered in the log.
- C. The permittee shall maintain records of any corrective actions taken as a result of the presence of visible emissions being detected during an observation.
- D. The permittee shall maintain records of the results of any Method 9 readings performed.
- E. The permittee shall maintain a log of daily scrubber pressure differential readings. On days a scrubber does not operate, "did not operate" shall be entered in the log.
- F. The permittee shall maintain a log of daily scrubber liquid flow rate readings. On days a scrubber does not operate, "did not operate" shall be entered in the log.
- G. The permittee shall maintain records of manufacturer recommended operating parameters for the plating machines and scrubbers.
- H. The permittee shall maintain records of calibrations of scrubber pressure differential and liquid flow rate measuring instruments and devices.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**5. Recordkeeping Requirements:****Specific Recordkeeping Requirements for Emission Unit 31:**

I. §63.346 (b) The permittee shall maintain the following records for each affected source:

- (1) Inspection records for the monitoring equipment, to document that the inspection and maintenance required by the work practice standards of §63.342 (f) and Table 1 of §63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection.
- (2) Records of all maintenance performed on the affected source and monitoring equipment;
- (3) Records of the occurrence, duration, and cause (if known) of each malfunction of process and monitoring equipment;
- (4) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;
- (5) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by §63.342 (f) (3);
- (6) Test reports documenting results of all performance tests;
- (7) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of §63.344(e);
- (8) Records of monitoring data required by §63.343(c) that are used to demonstrate compliance with the standard including date and time the data are collected;
- (9) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process or monitoring equipment;
- (10) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process or monitoring equipment;
- (11) The total process operating time of the affected source during the reporting period;
- (12) For sources using fume suppressants to comply with the standards, records of the date and time that fume suppressants are added to the electroplating or anodizing bath;
- (13) All documentation supporting the notifications and reports required by §63.9, §63.10 and §63.347.
- (14) All records shall be maintained for a period of 5 years in accordance with §63.10 (b) (1).

6. Reporting Requirements:

- A. The semiannual compliance report required by Section C (3) (c) of this permit shall include records of the monthly ampere-hours consumed by each tank for the reporting period.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**6. Reporting Requirements:****Specific Reporting Requirements for Emission Unit 31:**

B. §63.347(a) The permittee shall fulfill all reporting requirements outlined in this section and in the General Provisions to 40 CFR part 63, according to the applicability of Subpart A as identified in Table 1 of Subpart N. These reports shall be made to Regional Office listed on the front of this permit.

(1) Reports required by Subpart A of part 63 and this section may be sent by U.S. mail, fax, or by another courier.

(i) Submittals sent by U.S. mail shall be postmarked on or before the specified date.

(ii) Submittals sent by other methods shall be received by the Division on or before the specified date.

(2) If acceptable to both the Division and the permittee, reports may be submitted on electronic media.

§63.347(b) The reporting requirements of this section apply to the owner or operator of an affected source when such source becomes subject to the provisions of this subpart.

§63.347 (g) (3) *Contents of ongoing compliance status reports.* The permittee shall prepare a summary report to document the ongoing compliance status of the source. The report must contain the following information:

(i) The company name and address of the affected source;

(ii) An identification of the operating parameter that is monitored for compliance determination, as required by §63.343 (c);

(iii) The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the notification of compliance status required by paragraph (e) of this section;

(iv) The beginning and ending dates of the reporting period;

(v) A description of the type of process performed in the affected source;

(vi) The total operating time of the affected source during the reporting period;

(vii) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, other known causes, and unknown causes;

(viii) A certification by a responsible official, as defined in §63.2, that work practice standards in §63.342(f) were followed in accordance with the operation and maintenance plan for the source;

(ix) If the operation and maintenance plan required by §63.342 (f) (3) was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by §63.342 (f) (3) (iv) documenting that the operation and maintenance plan was not followed;

(x) A description of any changes in monitoring, processes, or controls since the last reporting period;

(xi) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and

(xii) The date of the report.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**6. Reporting Requirements:****Specific Reporting Requirements for Emission Unit 31:**

§63.347 (h) *Ongoing compliance status reports for area sources.*

- (1) The permittee shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in paragraph (g) (3) of this section, shall be completed annually and retained on site, and made available to the Division upon request. The report shall be completed annually except as provided in paragraph (h) (2) of this section.
- (2) *Reports of exceedances.*
 - (i) If both of the following conditions are met, semiannual reports shall be prepared and submitted to the Division:
 - (A) The total duration of excess emissions (as indicated by the monitoring data collected by the permittee of the affected source in accordance with §63.343(c)) is 1 percent or greater of the total operating time for the reporting period; and
 - (B) The total duration of malfunctions of the monitoring equipment is 5 percent or greater of the total operating time.
 - (ii) Once the permittee reports an exceedance as defined in paragraph (h)(2)(i) of this section, ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency under paragraph (h) (3) of this section is approved.
 - (iii) The Division may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.
- (3) *Request to reduce frequency of ongoing compliance status reports.*
 - (i) An owner or operator who is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report onsite if all of the following conditions are met:
 - (A) For 1 full year (e.g., 2 semiannual or 4 quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit;
 - (B) The permittee continues to comply with all applicable recordkeeping and monitoring requirements of Subpart A of part 63 and Subpart N; and
 - (C) The Division does not object to a reduced reporting frequency of the affected source, as provided in paragraphs (h) (3) (ii) and (iii) of this section.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**6. Reporting Requirements:****Specific Reporting Requirements for Emission Unit 31:**

§63.347 (h) (3) *Ongoing compliance status reports for area sources.*

- (ii) The frequency of submitting ongoing compliance status reports may be reduced only after the permittee notifies the Division in writing of his or her intention to make such a change, and the Division does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Division may review information concerning the source's previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of the permittee's conformance with emission limitations and work practice standards. Such information may be used by the Division to make a judgment about the source's potential for noncompliance in the future. If the Division disapproves the permittee's request to reduce reporting frequency, the Division will notify the permittee in writing within 45 days after receiving notice of the permittee's intention. The notification from the Division to the permittee will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.
- (iii) As soon as the monitoring data required by §63.343 (c) show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the permittee shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the permittee may again request approval from the Division to reduce the reporting frequency as allowed in paragraph (h) (3) of this section.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Stack ID	Emission Unit	Description	Date Installed	Applicable Regulation
PB1	34 (PB-001)	Buffing Machine No. 509 ACME Universal Straight Line	1990	401 KAR 59:010
	35 (PB-009)	Buffing Machine No. 109 ACME Rotary	1993	
	36 (PB-010)	Buffing Machine No. 209 ACME RT	1991	
Control Equipment: (1) Cyclone and Baghouse (24) Bags				
PB2	37 (PB-002)	Buffing Machine No. 809 ACME Universal Straight Line	1985	401 KAR 59:010
	38 (PB-005)	4 Single Spindle Hand Buffing Jacks	2001	
	39 (PB-006)	Buffing Machine No. 709 ACME Universal Straight Line	1976	
	40 (PB-007)	Buffing Machine No. 909 ACME Universal Straight Line	1982	
Control Equipment: (4) Cyclones and Baghouse (80) Bags				
PB3	41 (PB-003)	Buffing Machine No. 309 ACME Universal Straight Line	1986	401 KAR 59:010
	42 (PB-004)	Buffing Machine No. 619 ACME Rotary	1982	
	43 (PB-008)	Buffing Machine No. 108 ACME Rotary	1994	
Control Equipment: (1) Cyclone and Baghouse (24) Bags				
PB7	44 (PB-012)	Hand Polishing Operations Polishing Jacks	1983	401 KAR 59:010
Control Equipment: (1) Cyclone and Baghouse (8) Bags				
PB11	45 (PB-011)	Buffing Machine No. 208 ACME Universal Straight Line	1995	401 KAR 59:010
Control Equipment: (1) Cyclone and Baghouse (24) Bags				

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations. Applicable with respect to particulate emissions to each affected facility commenced on or after July 2, 1975.

1. Operating Limitations:

The control equipment shall be in place and operating efficiently when the process equipment venting to it is operating.

Compliance Demonstration Method: Refer to the compliance demonstration method below for the opacity standard.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations:**

- A. 401 KAR 59:010 § 3(1) Opacity Standard: The opacity of continuous emissions from a control device or stack shall be less than twenty (20) percent opacity.
- B. 401 KAR 59:010 § 3(2) Mass Standard: Particulate matter emissions from a control device or stack shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method for Emission Limitations A:

Compliance with the opacity standards shall be determined by the permittee performing a qualitative visual observation of the opacity of emissions at each stack no less than weekly and maintaining a log of the observations. If visible emissions from the stacks are seen (not including condensed water in the plume), then an inspection of control equipment shall be initiated and corrective action taken. If visible emissions are present after the corrective action, the process shall be shut down and shall not operate again until repairs have been made that result in no visible emissions from the process during operation. In lieu of shutting the process down, the permittee may determine the opacity using Reference Method 9. If the opacity limit is not exceeded, the process may continue to operate.

Compliance Demonstration Method for Emission Limitations B:

Compliance with the mass standards will be assumed unless testing is required, when the units are in compliance with the opacity standards.

3. Testing Requirements:

- A. If the Division requires it, permittee shall perform a Reference Method 5 test, or other methods approved by the Division, to determine the emission rate of particulate matter.
[401 KAR 59:010, § 4(1) Test Methods and Procedures]
- B. If the Division requires it, the permittee shall perform a Reference Method 9 test to determine the opacity of continuous emissions.
[401 KAR 59:010, § 4 (5) Test Methods and Procedures]

4. Monitoring Requirements:

- A. The permittee shall monitor the monthly number of zinc parts processed for each group of emission units venting to a common control device.
- B. The permittee shall monitor the monthly pounds of buffing compound used for each group of emission units venting to a common control device.
- C. The permittee shall monitor the monthly pounds of bar compound used for each group of emission units venting to a common control device.
- D. The permittee shall monitor the monthly number of buffs and polishing belts used for each group of emission units venting to a common control device.
- E. The permittee shall monitor the opacity of emissions from each stack weekly as described above.

5. Recordkeeping Requirements:

- A. The permittee shall maintain monthly and annual records of the number of zinc parts processed for each group of emission units venting to a common control device.
- B. The permittee shall maintain monthly and annual records of the pounds of buffing compound used for each group of emission units venting to a common control device.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Recordkeeping Requirements (continued):

- C. The permittee shall maintain monthly and annual records of the pounds of bar compound used for each group of emission units venting to a common control device.
- D. The permittee shall maintain monthly and annual records of the number of buffs and polishing belts used for each group of emission units venting to a common control device.
- E. The permittee shall maintain a daily log of visual observations of the opacity of emissions. On days a controlled process associated with a stack does not operate, "did not operate" shall be entered in the log.
- F. The permittee shall maintain records of any corrective actions taken as a result of the presence of visible emissions being detected during an observation.
- G. The permittee shall maintain records of the results of any Method 9 readings performed.
- H. The permittee shall maintain records of manufacturer recommended operating parameters for the cyclones and baghouses.
- I. The permittee shall maintain records, including the time and date, that bags are changed out in the baghouses.

6. Reporting Requirements:

It is specified here that the reporting requirements of Section C (3) (c) of this permit need only include records of the monthly usage rates of raw materials specified in **4. Monitoring Requirements** during the reporting period.

SECTION C - GENERAL CONDITIONS**1. Administrative Requirements**

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
- b. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
- c. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-11 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- d. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [Section 1a-4, 5, of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- e. This permit does not convey property rights or exclusive privileges [Section 1a-8 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- f. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040 Section 11(3)].
- g. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20.
- h. All previously issued permits to this source at this location are hereby null and void.

SECTION C - GENERAL CONDITIONS (CONTINUED)**2. Recordkeeping Requirements**

- a. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040 Section 3(1)(f) and Section 1b-IV-2 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- b. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

3. Reporting Requirements

- a. (1) In accordance with the provisions of 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
- (2) The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition a.(1) above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report [Section 1b-V-3 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- b. The permittee shall furnish information requested by the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the permit [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- c. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation. The summary reports

SECTION C - GENERAL CONDITIONS (CONTINUED)

are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

4. Inspections

In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency:

- a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation.
- b. To access and copy any records required by the permit.
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit.
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

5. Emergencies/Enforcement Provisions

- a. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- b. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - (1) An emergency occurred and the permittee can identify the cause of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - (4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- c. Emergency provisions listed in General Condition 5.b are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(1)].
- d. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:040, Section 22(2)].

SECTION C - GENERAL CONDITIONS (CONTINUED)**6. Compliance**

- a. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
 - (1) Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
 - (2) All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and nonroutine maintenance performed on each control device. Daily observations are required during daylight hours of all operations, control equipment and any visible emissions to determine whether conditions appear to be either normal or abnormal. If the operations, controls and/or emissions appear to be abnormal, the permittee must then comply with the requirements of Section C – General Conditions, 3.a.(2), of this permit.
 - (3) A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division [401 KAR 50:055, Section 2].
- b. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - (1) Identification of the term or condition;
 - (2) Compliance status of each term or condition of the permit;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The method used for determining the compliance status for the source, currently and over the reporting period, and
 - (5) For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION C - GENERAL CONDITIONS (CONTINUED)

- (6) The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality	Division for Air Quality
Owensboro Regional Office	Central Files
3032 Alvey Park Dr. W., Suite 700	803 Schenkel Lane
Owensboro, KY 42303-2191	Frankfort, KY 40601-1403

- c. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
- (1) Applicable requirements that are included and specifically identified in this permit; or
 - (2) Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11].

SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee shall comply with the applicable regulation and any level of periodic monitoring specified below. *It is specified here that the permittee shall maintain annual records of the zinc parts, bar compound, polishing belts and brown aluminum oxide (or equivalent) processed/used for each group of emission units venting to a common control device.*

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Facility ID: PL-001 Stack ID: PL1 Description: Buffing of Parts	401 KAR 59:010
2. Facility ID: PB-013 Stack ID: PB6 Description: Hand Touch-up Buffing	401 KAR 59:010
3. Facility ID: PB-014 Stack ID: PB4 & PB5 Description: Robotic Polishing	401 KAR 59:010
4. Facility ID: PB-015 Stack ID: PB15 Description: Motoman	401 KAR 59:010
5. Facility ID: PB-016 Stack ID: PB16 Description: Motoman	401 KAR 59:010
6. Facility ID: PB-017 Stack ID: PB15 Description: Dry Blasting of Parts	401 KAR 59:010
7. Facility ID: PB-018 Stack ID: PB18 Description: Burnishing of Parts	401 KAR 59:010
8. Laser etching of plumbing fixtures Rate of processing: 350 per hour	401 KAR 59:010
9. Polish and Buff: 1 ea. Sullair 24KT LS-16 Air compressor, operates on demand	401 KAR 59:010

SECTION D - INSIGNIFICANT ACTIVITIES (CONTINUED)

<u>Description</u>	<u>Generally Applicable Regulation</u>
10. Plating Department: D.I. Units: 3 ea. single units 2 ea. double units Used daily to supply the Plating Department with D.I. Water 1 ea. Sullair 24KT LS-16 air compressor	401 KAR 59:010
11. Quality Area: 2 ea. Salt spray cabinets 2 ea. CASS cabinets 1 ea. Heat Oven 1 ea. Grinder	401 KAR 59:010
12. Environmental Laboratory: 1 ea. Fume hood 1 ea. Bake oven 2 ea. Tensiometers 1 ea. Centrifuge 1 ea. Work table and counter tops 1 ea. ICP 1 ea. Drill press	401 KAR 59:010
13. Tool Room: 2 ea. EDM machines 5 ea. Lathes 5 ea. Milling machines 3 ea. Drill presses 3 ea. Surface grinders (wet) 1 ea. Cylindrical surface grinder (wet) 2 ea. Heat treat ovens 2 ea. Work tables 2 ea. Parts cleaners 1 ea. Dry blast cabinet 3 ea. Tig welders 1 ea. Mig welder 1 ea. Grinder 1 ea. Oxygen-acetylene welder	401 KAR 59:010

SECTION D - INSIGNIFICANT ACTIVITIES (CONTINUED)

<u>Description</u>	<u>Generally Applicable Regulation</u>
14. Die Casting: 17 ea. Die cast secondary machining center Rate of processing: 450 per hour each Used for drill & tap and fly cutting of parts (zinc) 3 ea. Secondary machine tables Rate of processing: 450 per hour each Used for drill & tap and fly cutting of parts (zinc)	401 KAR 59:010
15. Maintenance: 3 ea. Portable AC welders 1 ea. Cleaning bath for parts cleaning 2 ea. Acetylene-Oxygen cutting and welding 1 ea. Portable spray washer 1 ea. Horizontal band saw 1 ea. Miller 250K mig welder 1 ea. Allup industrial pack air compressor 3 ea. Sullair 24KT LS-25 air compressor	401 KAR 59:010
16. Morgantown Finishing Company: MP-05 – Dry Bead Blasting MP-06 - Buffing	401 KAR 59:010